

Work Order ID 145151

Tuesday, May 03, 2016 2:01:15 PM

145151

Page 1

Item ID: D5296-1

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: 1" O/C Buckle

Start Date: 5/6/2016 Start Qty: 48.00

48

Cust Item ID:

Required Date: 5/18/2016 Req'd Qty: 48.00

48

Customer:

Reference:

Approvals:

Process Plan: MCSDate: MAY 03 2016

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D5296	B

100

0.00

100

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 32473

Possible Supplier: CTS

Description: 1" O/C Buckle

Supplier P/N: 81130

C OF C is required

<u>48</u>	<u>MAY 25 2016</u>	<u>DAS</u>
		<u>13</u>
		<u>9-89</u>

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

<u>48x</u>	<u>5/16-05-26</u>
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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval				
Description Work Order Deviation				Disposition				Completed By			
								Lead hand / Supervisor Approval Verification			
										QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
				OTHER : ☐							

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐							
Misidentified ☐	Past Due ☐								

Picklist Print

Tuesday, May 03, 2016 2:01:19 PM

Page 1

Work Order ID: 145151

145151

Parent Item: D5296-1

D5296-1

Parent Item Name: 1" O/C Buckle

Start Date: 5/6/2016

Required Date: 5/18/2016

Start Qty: 48.00

Required Qty: 48.00

Comments: IPP REV:A 15.09.29 NEW ISSUE DD VERF:JLM IPP
REV:B 16.03.28 AS PER DWG REV.B DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
81130 *81130* 1" O/C Buckle		Purchased		No			Each	0.0000		48			

48x 5/16-05-26

DQA: _____ Date: _____



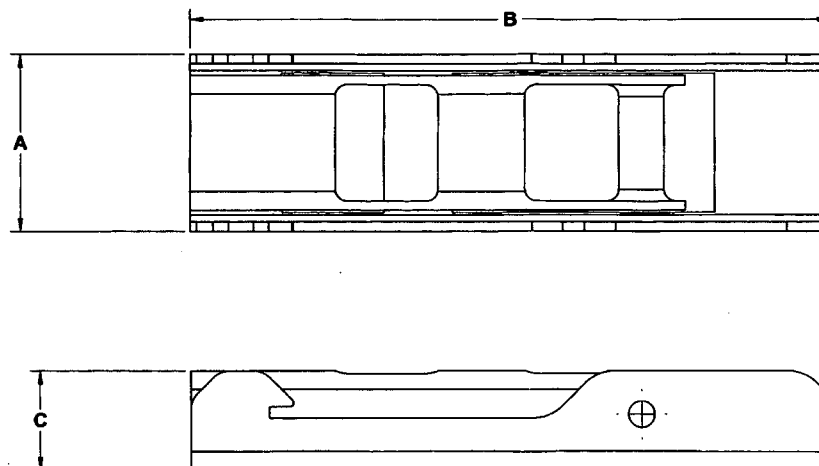
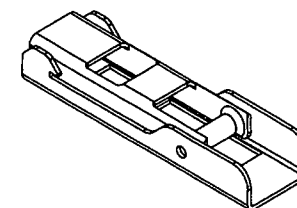
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

SPECIFICATION CONTROL DRAWING



D5296-X O/C BUCKLE

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 145151 MCT

16-05-03

DART P/N	DESCRIPTION	VENDOR	VENDOR P/N	A	B	C	MATERIAL	WEIGHT	BREAKING STRENGTH
D5296-1	1" O/C BUCKLE	C.T.S.	81130	1.54	5.50	0.85	STEEL	0.53 LBS	3000 LBS
D5296-3	2" O/C BUCKLE	C.T.S.	80944	2.36	6.5	1.65	STEEL	0.73 LBS	4400 LBS

RELEASED
2015-09-08
2016-02-06

- NOTES:**
- 1) MATERIAL: SEE TABLE
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
 - 7) WEIGHT: SEE TABLE

A		NEW ISSUE		DB	15.09.01
REV.	DESCRIPTION			BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. A	
DRAWN	DB				
CHECKED	AP	DRAWING NO.		SHEET 1 OF 1	
MFG. APPR.	DD	D5296		SCALE	
APPROVED	WM	TITLE		NTS	
DE APPR.	DS	O/C BUCKLE			
DATE	15.09.01			COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO32473

Purchase Order Date 5/25/2016
PO Print Date 5/25/2016

Page Number 1 of 2

Order From : VC-ROY001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

RBC ROYAL BANK - VISA
PAYMENT CENTRE, PO BOX 4016, STAT. A
TORONTO, ON M5W 1X6
CA

E-MAILED

MAY 25 2016

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms

Currency CAD

FOB Destination-Collect

Chantal Lavoie

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	80944	2" O/C Buckle	5/27/2016 Yes 5/27/2016	FN	32.00 Each	\$6.62	\$211.84
AS PER DWG D5296 REV. B B145152							
Line Total:							\$211.84
2	81130	1" O/C Buckle	5/27/2016 Yes 5/27/2016	FN	48.00 Each	\$6.62	\$317.52
AS PER DWG D5296 REV. B B145151							
Line Total:							\$317.52
3	18460	1" Snap Hook	5/27/2016 Yes 5/27/2016	FN	48.00 Each	\$2.03	\$97.20
AS PER DWG D5294 REV. A B145149							

PO Instructions: CTS CARGO TIE-DOWN

Note:

5/25/2016

CTS



Cargo Tie-Down Specialty Inc.

- FLATBED • MARINE
- INTERIOR VAN • RAIL
- AUTO TIE-DOWN

160 Milner Avenue, Toronto, ON. M1S 3R3
Toll Free 1-888-412-7144 Tel: 416-412-7144 Fax: 416-412-7145
Website: www.ctscargotiedown.com E-Mail: sales@ctscargotiedown.com



PACKING SLIP

ACCOUNT #	ORDER DATE	PACKING SLIP NO.
COD	5/25/2016	186127

BILL TO

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

SHIP TO

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

613 632 9577



PICKUP TIME:

P.O. NO.		ORDER BY	SHIP DATE	SHIP VIA	FOB	TERMS		REP		
PO32473		CHANTEL ...	5/25/2016	PUR#7684382	TORONTO	CREDIT CARD		HA		
TOTAL PKGS	ITEM NUMBER	DESCRIPTION			QUANTITY ORDERED	QUANTITY SHIPPED	QTY B/O	UNIT	UNIT WT. (LBS)	BIN #
1	80944	2" OVERCENTER BUCKLE B/S: 4,400LBS			32	32 ✓	0	EA	0.75	C9-1
1	81130	1" OVERCENTER BUCKLE, B/S: 3,000 LBS			48	48 ✓	0	EA	0.55	B3-9
1	18460	1" SNAP HOOK, B/S: 3,000LBS, Y/Z			48	48 ✓	0	EA	0.21	B7-2
1	18420	2" TWISTED SNAP HOOK, B/S: 11,000LBS, Y/Z			64	64 ✓	0	EA	0.59	B3-6
=====										
PRODUCT CERTIFICATE REQUIRED										
SHIP VIA PUROLATOR NEXT DAY #7684382										
****USE CREDIT CARD ENDING#4712****										
HST (ON) on sales										
BAG/REEL	BUNDLE	CARTON	SKID	DIMENSIONS	TOTAL WEIGHT (LBS)		RECEIVED BY		RECEIVED DATE	
		4			109					

5/16/16 05-26

Claims for shortages or defects must be made within 6 days after their arrival. After such time, the Buyers shall not be entitled to make any claim on account of shortages, defects or other cause.



- FLATBED • MARINE
- INTERIOR VAN • RAIL
- AUTO TIE-DOWN • CARGO NET

Cargo Tie-Down Specialty Inc.

160 Milner Avenue, Toronto, ON. M1S 3R3 CANADA

Tel: 416-412-7144 / 1-888-412-7144 (CAN/USA)

Fax: 416-412-7145

Website: www.ctscargotiedown.com

E-Mail: sales@ctscargotiedown.com



WHATEVER YOU NEED, GET IT WITH SPEED .
TOP QUALITY, NO COMPROMISE
Outlasts ordinary straps, get "GRIZZLYWEB" straps!

INVOICE

Invoice Date

5/25/2016

Invoice #

89476

Bill To

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

Ship To

DART AEROSPACE
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

Customer Account No.	COD	Phone No.	613 632 9577	Fax No.	Ordered By	CHANTEL LA...	
Packing Slip No.	P.O. No.	Terms	Rep	Ship Date	Ship Via		
186127	PO32473	CREDIT CARD	HA	5/25/2016	PUR#7684382		
Item	Description	QUANTITY			Unit	Price	Amount
		Ordered	Shipped	B/O			
80944	2" OVERCENTER BUCKLE B/S: 4,400LBS	32	32	0	EA	6.62	211.84
81130	✓ 1" OVERCENTER BUCKLE, B/S: 3,000 LBS	48	48	0	EA	6.62	317.76
18460	1" SNAP HOOK, B/S:3,000LBS, Y/Z	48	48	0	EA	2.03	97.44
18420	2" TWISTED SNAP HOOK, B/S:11,000LBS, Y/Z	64	64	0	EA	3.78	241.92
===== PRODUCT CERTIFICATE REQUIRED SHIP VIA PUROLATOR NEXT DAY #7684382 ****USE CREDIT CARD ENDING#4712**** SHIP DATE: MAY.25.2016 4 CARTONS = 109 LBS TRACKING# 330742839526							
PAID ☐ DEBIT _____ CASH _____ VISA _____ AMEX _____ MASTER _____ CHEQUE _____ E-PAYMENT _____							
PAYMENT TERMS - For Customers with approved credit, payment terms are net 30 days from date of shipment. VISA, MASTERCARD and AMERICAN EXPRESS card orders are accepted. RETURNS - If for any reason, you are dissatisfied with a product you receive from CTS, you may at any time within 5 days from your receipt of shipment return such goods for a full credit, exchange or refund. The return of custom and made-to order products is subject to the prior approval and restocking charges. Returned products must be shipped prepaid.						Subtotal CAD 868.96 HST/GST CAD 112.96 Total CAD 981.92 Payments/Credit CAD 0.00 Balance Due CAD 981.92	
HST #896781127		Due Date		5/25/2016			

8016-05-26

Thank you for your order. We appreciate your business!



160 Milner Avenue, Toronto, ON M1S 3R3, CANADA
Tel: 416-412-7144 / 1-888-412-7144 Fax: 416-412-7145
Email: sales@ctscargotiedown.com
Website: www.ctscargotiedown.com

Customer Name	Purchase Order Number	Packing slip No.	Purchase Date (MM-DD-YYYY)
DART AEROSPACE	32473	186127	05-25-2016

Certificate of Compliance – Hardware/Webbing

Qty.	Item No.	Description	WORKING LOAD LIMIT (LBS)	BREAKING STRENGTH (LBS)	Country of Origin
32	80944	2" OVERCENTER BUCKLE	1,466	4,400	CN
48	81130	1" OVERCENTER BUCKLE	1,000	3,000	CN
48	18460	1" SNAP HOOK	1,000	3,000	CN
64	18420	2" TWISTED SNAP HOOK	3,600	11,000	CN

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. This report is applicable only to the sample or samples tested. Rework of this product may alter these results.

Signed by: *MTong*

Design Factor

The design factor for tie downs shall be a minimum of 3.

Proof Test

Has been test to a minimum of one and one half (1.5) times the working load limit (WLL).